

Amendments to the Specification

Page 16, line 16- line 24.

In one embodiment in accordance with the invention, the door-jamb modular contact switch 600 comprises an active contact assembly 110 and a passive contact assembly 150. The active contact assembly 110 comprises one or more active contact modules 112 and the passive contact assembly 150 comprises one or more passive contact modules ~~652152~~ in one-to-one correspondence with the active contact modules 112. The active contact assembly 110 is mounted in the moving jamb ~~605604~~ and the passive contact assembly 150 is mounted in the fixed jamb 606. In another embodiment, the active contact assembly 110 is mounted in the fixed jamb 606 and the passive contact assembly 150 is mounted in the moving jamb ~~605604~~.

Page 17, line 5- line 20.

In another embodiment in accordance with the invention, the door-jamb modular contact switch comprises two active contact assemblies 110, each comprising one or more active contact modules 112. One of the two active contact assemblies 110 is mounted in the moving jamb 604 and the other in the fixed jamb 606. When the door 602 is closed, the active contact front portions ~~616116~~ of each active contact assembly 110 are in urging abutment with respective active contact front portions ~~616116~~. Electrical contact between respective active contacts 114 closes the respective circuits in electrical communication with each of the active contacts 114. Electrical communication is broken when the door 602 is opened and the active contacts 114 disengage.

The active contacts 114 are biased to assume an extended position wherein each active contact 114 projects a predetermined distance outward from the front side ~~622122~~, as shown in

Figure 6. However, due to the biased nature of the active contacts 114, the active contact front portion 616116 is partially retracted back into the housing by their engagement with the active or passive contact assembly 110,150 mounted in the moving jamb 604 when the door 602 assumes a closed position.

Page 17, line 28- page 19, line 2.

In operation, when the door 602 is in the open position, the respective active contacts 114 project outwardly from the front side 622122 and are exposed as shown in Figure 6. As the door is closed, it is appreciated that the active switch assembly 110 mounted in the moving jamb 604 will move into close proximity with the passive switch assembly 150 mounted in the fixed jamb 606. As the door 602 continues to move, whether pivotal or translational, towards a closed position, the active contacts 114 will engage respective aligned passive contacts 154. Other embodiments having other switch configurations include, but are not limited to, active contacts 114 in the moving jamb 604 engage respective aligned passive contacts 154 in the fixed jamb 606, and active contacts 114 in the moving jamb 604 will each engage respective aligned active contacts 114 in the fixed jamb 606, respective of which mounting configuration is chosen.

Once the contacts 114, 154 have engaged respective contacts 114, 154, the continued closing of the door 602 will result in the contacts 114 being partially pushed into their respective housings 112. Once the door 602 has been completely closed, the active contact ends 616116 of the active contacts 114 will abut into urging biased engagement with the contacts 114, 154 to effect a closed circuit. Thus, in the closed position, it is appreciated that electrical communication is now possible between door mounted electrical components and chassis-mounted electrical components, the electrical communication being transmitted between the modular contact switch 600 through the opposing moving and fixed jambs 604,606. Upon

opening of the door 602, the contacts 114, 154 disengage, breaking or opening of circuits within the modular contact switch 600.

Because of the modular nature of the modular contact switch 100, 600, additional circuits can be easily added to the existing modular contact switch 100, 600. To add additional circuits, the contact assemblies 110, 150 are unmounted from the respective jamb. The mounting hole is appropriately enlarged to accept the additional modules 112, 154152. Each contact assembly 110, 150 is disassembled along one of the removable couplings at the same location. Additional center contact modules 112c, 150152c are removably coupled to the contact assemblies 110, 150 as required. The contact assemblies 110, 150 are then mounted to the respective door jamb.